

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : AN ADJUVANT FOR ACCELERATING  
MATSUMOTO : AN ENZYME ACTIVITY

Application No. : Art Unit:

Filed: HEREWITH : Examiner:

: Date: January 14, 2004

INFORMATION DISCLOSURE STATEMENT

- [x] 1. Pursuant to 37CFR 1.97(b)  
[within three months of national, non-CPA filing or prior to first Office  
action on the merits, or prior to first Office action after filing an RCE]  
(no charge)
- [ ] 2. Certification Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance] (no charge)
- [ ] 3. Fee Payment Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance or other action closing the  
prosecution] (charge: \$180.00)
- [ ] 4. Certification & Fee Payment Pursuant to 37 CFR 1.97(d)  
[on or before issue fee payment] (charge: \$180.00)

MAIL STOP PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

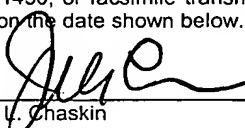
- [x] 5. A list of documents on Form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document (s) cited in the application or the priority application.

This paper is submitted in accordance with:

- [x] 6. 37 CFR 1.97(b): [within three months of national, non-CPA filing or prior to first Office action on the merits or prior to the first office action after filing an RCE]

CERTIFICATE OF MAILING OR TRANSMISSION

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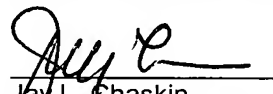
By   
Jay L. Chaskin

Date: January 14, 2004

- ☐ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance or other action closing prosecution, whichever is earlier]; and
- ☐ 8. The required Certification made in item 11 below; or
- ☐ 9. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 10. 37 CFR 1.97(d): [on or before issue fee payment]; and
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- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11. Certification
- ☐ 12. Each item or information contained in this Statement was first cited in any Search Report or any communication from a non-US patent office or any International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13. No item contained in this Statement was cited in a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty in a counterpart foreign patent application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☐ 14. Payment of all applicable fees:
- ☐ Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No.
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An original and two (2) copies of this document is enclosed.

Respectfully submitted,

  
Jay L. Chaskin  
Attorney for Applicant  
Reg. No. 24030

P.O. Box 1602  
Fairfield CT 06825  
Tel: 203-373-2867  
Fax: 203-373-3991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : AN ADJUVANT FOR ACCELERATING  
MATSUMOTO ENZYME ACTIVITY

Application No. : Art Unit:

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INFORMATION DISCLOSURE STATEMENT – CONCISE  
EXPLANATION OF EACH NON-ENGLISH DOCUMENT

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
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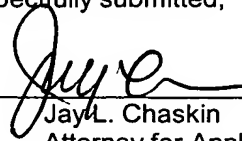
Sir:

The following is submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98: a concise explanation of the non-English document(s) cited in the PTO-1449 and any Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document (s) cited in the application or the priority application. The concise explanation is based on an English language abstract available from publicly accessible databases of patents and non-patent documents or a translation, even if only partial, of the cited non-English documents. The concise explanation is not based on a review of a full text translation of the cited document:

<u>Document</u>	<u>Concise Explanation</u>
Japanese Patent Publication No. HEI-4-265286	An activated soil microorganism group and concentrated extract of liquids from its metabolites comprising a soil Microorganism group extracted from highly aged compost (humus), the metabolites and an aqueous solution including effective mineral components of a mixed structural rock mineral for activation of soil microorganisms.
Japanese Patent Publication No. HEI-4-238887	An activated humus agricultural material comprising an aged mixture of organic raw material, such as agricultural waste, livestock raising waste, living refuse and wet sludge from drainage; seed fungi of the soil microorganisms; and a mixture of silicates, such as a mixed structural rock mineral and diatomaceous earth, for activating the microorganisms.

Respectfully submitted,

By




Jay L. Chaskin  
Attorney for Applicant  
Reg. No. 24030

Address: P.O. Box 1602  
Fairfield CT 06825  
Tel: 203-373-2867  
Fax: 203-373-3991

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Jay L. Chaskin

Date: January 14, 2004

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	1
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**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	YUKIO MATSUMOTO
Art Unit	
Examiner Name	
Attorney Docket Number	HOR2003-2

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	MM-DD-YYYY			
		JP HEI-4-238887	08-26-1992	KUSHIDA		
		JP HEI-4-265286	09-21-1992	KUSHIDA ET AL.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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